BRUHATH BENGALURU MAHANAGARA PALIKE

EMB

FIRST AND FINAL BILL

NAME OF WORK: "CONSTRUCTION OF ANGANWADI BUILDING AT SRINIVASPURA IN KEMPEGOWDA WARD NO-01 OF YELAHANKA SUB DIVISON"

BRUHAT BANGALORE MAHANAGARA PALIKE								
EXECUTIVE ENGINEER: YELAHANKA DIVISION								
Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"								
Pre-Measurement Sheet								
1st & Final Bill								
Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)								
Item No.	1							
Item Name:	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.(PWD SR 2021-22 Vol-2 Pg 163 item No.19.7.3)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			08-02-2023				
Demolish of Bricks							
Wall							
	Hall	2	7.40	0.20	3.20	9.47	
		2	4.50	0.20	3.20	5.76	
	WC	2	1.00	0.10	3.20	0.64	
		1	1.70	0.10	3.20	0.54	
	Partition wall	1	2.10	0.10	3.20	0.67	
		1	1.17	0.10	3.20	0.37	
	Compound Wall	1	2.00	0.20	1.07	0.43	
		1	4.00	0.20	1.07	0.86	
	Deduction						
	W	-1	1.20	0.20	0.90	-0.22	
	D	-1	0.90	0.20	2.00	-0.36	
	D1	-1	0.75	0.10	2.00	-0.15	
Total Quantity						18.02	Cum
Quantity Carried to Summary						18.02	Cum

Asstistant Engineer
Ward No.01
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Asst. Executive Engineer
Yelahanka Sub Division
BBMP-Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE								
EXECUTIVE ENGINEER: YELAHANKA DIVISION								
Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"								
Pre-Measurement Sheet								
1st & Final Bill								
Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)								
Item No.	2							
Item Name:	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking to the appropriate disposal area as per direction of Engineer in-charge.(PWD SR 2021-22 Vol-2 Pg 164 item No.19.12.2)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			08-02-2023				
Demolish of Doors , Windows							
	W	1	1.20		0.90	1.08	
	D	1	0.90		2.00	1.80	
	D1	1	0.75		2.00	1.50	
					Total Quantity	4.38	Sqm
					Quantity Carried to Summary	4.38	Sqm

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Yelahanka, Bangalore

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BRUHAT BANGALORE MAHANAGARA PALIKE								
EXECUTIVE ENGINEER: YELAHANKA DIVISION								
Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"								
Pre-Measurement Sheet								
1st & Final Bill								
Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)								
Item No.	3							
Item Name:	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material to the appropriate disposal area as per direction of Engineer-in-charge(PWD SR 2021-22 Vol-2 Pg 165 item No.19.27.2)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			08-02-2023				
Dismantling of Roof Slab							
	Hall Roof	1	7.40	4.50		33.30	
	WC Roof	1	1.00	1.70		1.70	
					Total Quantity	35.00	Sqm
					Quantity Carried to Summary	35.00	Sqm

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BRUHAT BANGALORE MAHANAGARA PALIKE								
EXECUTIVE ENGINEER: YELAHANKA DIVISION								
Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"								
Pre-Measurement Sheet								
1st & Final Bill								
Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)								
Item No.	4							
Item Name:	Demolishing cement concrete manually/ by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer-in-charge(PWD SR 2021-22 Vol-2 Pg 163 item No.19.2.1)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			08-02-2023				
Demolishing of CC Floor							
	Hall	1	7.40	4.50	0.20	6.66	
	WC	1	1.00	1.70	0.20	0.34	
					Total Quantity	7.00	Cum
					Quantity Carried to Summary	7.00	Cum

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BRUHAT BANGALORE MAHANAGARA PALIKE								
EXECUTIVE ENGINEER: YELAHANKA DIVISION								
Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"								
Pre-Measurement Sheet								
1st & Final Bill								
Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)								
Item No.	5							
Item Name:	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking to the appropriate disposal area as per direction of Engineer-in-charge.(PWD SR 2021-22 Vol-2 Pg 165 item No.19.19)							
SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Pre-Measurement Recorded On:			08-02-2023					
Existing Gate				30kg/Sqm		In Kgs		
Gate		1	1.00		1.40	42.00		
Total Quantity						42.00	Kgs	
Quantity Carried to Summary						42.00	Kgs	

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BRUHAT BANGALORE MAHANAGARA PALIKE								
EXECUTIVE ENGINEER: YELAHANKA DIVISION								
Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"								
Pre-Measurement Sheet								
1st & Final Bill								
Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)								
Item No.	6							
Item Name:	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer in-charge.(PWD SR 2021-22 Vol-2 Pg 163 item No.19.9.2)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			08-02-2023				
Demolishing of SSM							
	Hall	2	7.40	0.75	0.90	9.99	
		2	4.50	0.75	0.90	6.08	
	Compound Wall	1	2.00	0.75	0.90	1.35	
		1	4.00	0.75	0.90	2.70	
	WC	1	1.70	0.75	0.90	1.15	
		1	1.00	0.75	0.90	0.68	
					Total Quantity	21.94	Cum
					Quantity Carried to Summary	21.94	Cum

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Pre-Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	7							

Item Name: Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m(PWD SR 2021-22 Vol-1 Pg-5 item No 1.4.2)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			13-02-2023				
Earthwork for Footing and Foundation							
Footing		6	2.20	2.20	1.80	52.27	
		2	2.20	2.20	2.50	24.20	
SSM Foundation							
Long Wall Direction		2	12.00	0.60	0.90	12.96	
		2	4.20	0.60	0.90	4.54	
Short Wall Direction		1	3.95	0.60	0.90	2.13	
		2	4.10	0.60	0.90	4.43	
					Total Quantity	100.53	Cum
					Quantity Carried to Summary	91.21	Cum

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BRUHAT BANGALORE MAHANAGARA PALIKE								
EXECUTIVE ENGINEER: YELAHANKA DIVISION								
Name of Work: "Construction of Anganwadi Building at Srinivaspura in								
Pre-Measurement Sheet								
1st & Final Bill								
Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)								
Item No.	8							
Item Name:	Poviding and Filling foundation with granite/ trap broken metal 100mm and down size with approval sand including hand packing ramming watering including cost of all materials and labour with all lead and lift complete as per specifications .Specification No.(PWD SR 2021-22 Vol-2 Corrigenda item No.6.4)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			23-02-2023				
Earth Filling for Footing							
Footing		6	2.20	2.20	0.10	2.90	
		2	2.20	2.20	0.10	0.97	
Total Quantity						3.87	Cum
Quantity Carried to Summary						3.87	Cum

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Pre-Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	9							

Item Name: Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregate(PWD SR 2021-22 Vol-1 Pg 15 item No.2.1.3)(PWD SR 2021-22 Vol-1 Pg 5 item No.1.4.2)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			17-02-2023				
PCC for Footing and Foundation							
Footing		6	2.20	2.20	0.15	4.36	
		2	2.20	2.20	0.15	1.45	
SSM Below							
	Long Wall Direction	2	12.00	0.60	0.15	2.16	
		2	4.20	0.60	0.15	0.76	
	Short Wall Direction	1	3.95	0.60	0.15	0.36	
		2	4.10	0.60	0.15	0.74	
					Total Quantity	9.82	Cum
					Quantity Carried to Summary	9.24	Cum

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(BBMP Ylk. Zn)
Yelahanka, Bangalore

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Pre-Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	10							

Item Name: Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately)Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates(PWD SR 2021-22 Vol-1 Pg 16 item No.2.4.1)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			04-03-2023				
RCC for Foundation							
SSM Above							
	Long Wall Direction	2	12.00	0.60	0.10	1.44	
		2	4.20	0.60	0.10	0.50	
	Short Wall Direction	1	3.95	0.60	0.10	0.24	
		2	4.10	0.60	0.10	0.49	
					Total Quantity	2.67	Cum
					Quantity Carried to Summary	2.29	Cum

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Yelahanka, Bangalore

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Pre-Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	11							
Item Name:	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (PWD SR 2021-22 Vol-2 Pg 9 item No.5.4)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			01-03-2023				
SSM For Foundation							
SSM Above							
	Long Wall Direction	2	12.00	0.60	0.60	8.64	
		2	4.20	0.60	0.60	3.02	
	Short Wall Direction	1	3.95	0.60	0.60	1.42	
		2	4.10	0.60	0.60	2.95	
					Total Quantity	16.04	Cum
					Quantity Carried to Summary	13.72	Cum

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Pre-Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	12							

Item Name: Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50m and lift upto1.5m.(PWD SR 2021-22 Vol-1 Pg 7 item No.1.9)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			10-03-2023				
Filling Available Excavated Earth							
Description of Items			Qty Vide Item Nos				
Earth Work Excavation			From Item No 7			100.53	
Ded for PCC for Footing			From Item No 9 10			-12.49	
Ded for Filling in Foundation			From Item No 8			-3.87	
Ded for SSM Footing			From Item No 11			-16.04	
Ded for Footing Concrete			From Item No 15			-15.49	
Total Quantity						52.64	Cum
Quantity Carried to Summary						46.62	Cum

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BRUHAT BANGALORE MAHANAGARA PALIKE								
EXECUTIVE ENGINEER: YELAHANKA DIVISION								
Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"								
Pre-Measurement Sheet								
1st & Final Bill								
Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)								
Item No.	13							
Item Name:	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum.(Tipper 14 m3)(PWD SR 2021-22 Vol-III Pg 3 item No.1.1C)							
SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Pre-Measurement Recorded On:			13.02.2023					
Loading and Unloading Excavated Earth								
Description of Items			Qty Vide Item Nos					
Earth Work Excavation			From Item No 7			100.53		
Ded for Filling Available of Exc Earth			From Item No 12			-52.64		
Total Quantity						47.89	Cum	
Quantity Carried to Summary						44.60	Cum	

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Pre-Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	14							
Item Name:	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km(PWD SR 2021-22 Vol-III Pg 3 item No.1.4 A)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			13.02.2023.				
Cost of Haulage Excavated Earth							
Description of Items			Qty Vide Item Nos				
Loading and Unloading		From Item No 13		44.60	1.28	57.09	
Total Quantity						57.09	t.km
Quantity Carried to Summary						57.09	t.km

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Pre-Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	15							
Item Name:	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			21.02.2023, 27.02.2023				
RCC for all Sub Structures							
Footing		6	2.20	2.20	0.40	11.62	
		2	2.20	2.20	0.40	3.87	
Column Below Plinth		6	0.20	0.45	0.60	0.32	
		2	0.20	0.45	0.60	0.11	
SSM Below							
	Long Wall Direction	2	12.00	0.20	0.45	2.16	
		2	4.20	0.20	0.45	0.76	
	Short Wall Direction	1	3.95	0.20	0.45	0.36	
		2	4.10	0.20	0.45	0.74	
	Partition wall (Kitchen)	2	2.95	0.20	0.45	0.53	
	Store Room	1	1.05	0.20	0.45	0.09	
Total Quantity						20.56	Cum
Quantity Carried to Summary						19.12	Cum

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Remeasured

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EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	16							
Item Name:	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately)M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (PWD SR 2021-22 Vol-1 Pg 17 item No.2.5.2)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			09.03.2023, 29.03.2023, 10.04.2023				
RCC for all Super Structures							
Ground Floor							
Columns upto beam bottom		6	0.20	0.45	3.00	1.62	
		2	0.20	0.45	3.00	0.54	
					Total Quantity	2.16	Cum
					Quantity Carried to Summary	1.62	Cum
Item No.	17						
Ground Floor							
		Roof Slab					
		1	13.80	4.60	0.15	9.52	
		Sump Roof 1	2.30	2.30	0.15	0.79	
		Stair Case -1	2.90	1.40	0.15	-0.61	
					Total Quantity	9.71	Cum
					Quantity Carried to Summary	9.12	Cum
Item No.	18						
Beams							
		Longer Side 1	13.80	0.30	0.45	1.86	
		1	12.00	0.30	0.45	1.62	

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	Shorter Side	3	4.60	0.30	0.45	1.86	
					Total Quantity	5.35	Cum
					Quantity Carried to Summary	5.35	Cum
Item No.	19						
Lintel							
	Along long direction	2	12.00	0.20	0.20	0.96	
	Shorter Side	2	4.60	0.20	0.20	0.37	
		1	4.20	0.10	0.10	0.04	
	Partition Wall	1	5.00	0.10	0.10	0.05	
		1	2.15	0.10	0.10	0.02	
					Total Quantity	1.44	Cum
					Quantity Carried to Summary	1.44	Cum
Item No.	20						
Stair Case							
	Waist Slab	1	2.70	0.90	0.175	0.43	
		1	2.00	0.90	0.175	0.32	
	Landing	1	1.40	0.75	0.175	0.18	
		1	1.40	0.90	0.175	0.22	
		Triangular shape					
	Steps	2	0.75		0.075	0.11	
		9	0.90		0.075	0.61	
		5	1.40		0.075	0.53	
					Total Quantity	2.39	Cum
					Quantity Carried to Summary	2.37	Cum
Item No.	21						
Chejja							
		4	1.60	0.30	0.100	0.19	
		1	1.10	0.30	0.100	0.03	
		1	1.30	0.30	0.100	0.04	
		1	0.75	0.30	0.100	0.02	
	Inside	2	2.95	0.30	0.100	0.18	
					Total Quantity	0.46	Cum
					Quantity Carried to Summary	0.37	Cum

C & FE
Ramanjeenaik
Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer
Ward No.01

Ramanjeenaik
Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Pre-Measurement Sheet

1st & Final Bill

f Agency: Smt. Likith V (Shree Byraveshwara Constructions)

).	22											
	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately)(PWD SR 2021-22 Vol-2 Pg 84 item No.11.32)											
ainage To	Unit	No	Dia in mm	Span	Length of bar	Spacing (m)	Total No.of bars ((6/8)x4) +1	Total Length of bar (m) (7 x 9)	Weight per m	Qty in Kgs (10 x 11)	Remarks	
2	3	4	5	6	7	8	9	10	11	12	13	
	Tonne											
Premeasurement recorded on:		20.02.2023										
Footing F1		6	16.00	2.20	2.20		36.00	79.20	1.58	125.14		
		6	12.00	2.20	0.40	0.100	133.00	53.20	0.89	47.35		
		6	16.00	2.20	2.20		36.00	79.20	1.58	125.14		
		6	12.00	2.20	0.20	0.100	133.00	26.60	0.89	23.67		
Footing F1		2	16.00	2.20	2.20		12.00	26.40	1.58	41.71		
		2	12.00	2.20	0.40	0.100	45.00	18.00	0.89	16.02		
		2	16.00	2.20	2.20		12.00	26.40	1.58	41.71		
		2	12.00	2.20	0.20	0.100	45.00	9.00	0.89	8.01		
Columns		6	16.00	3.60	3.60		36.00	129.60	1.58	204.77		
		6	12.00	3.60	0.45	0.100	217.00	97.65	0.89	86.91		
Columns		2	16.00	4.50	4.50		12.00	54.00	1.58	85.32		
		2	12.00	4.50	0.45	0.100	91.00	40.95	0.89	36.45		

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ainage		Unit	No	Dia in mm	Span	Length of bar	Spacing (m)	Total No.of bars ((6/8)x4) +1	Total Length of bar (m) (7 x 9)	Weight per m	Qty in Kgs (10 x 11)	Remarks
	To											
Plinth Beam			2	16.00	12.00	12.00		12.00	144.00	1.58	227.52	
			2	10.00	12.00	0.20	0.100	241.00	48.20	0.62	29.88	
			3	16.00	4.60	4.60		18.00	82.80	1.58	130.82	
			3	10.00	4.60	0.20	0.100	139.00	27.80	0.62	17.24	
Lintel			2	10.00	12.00	12.00		12.00	144.00	0.89	127.73	
			2	8.00	12.00	0.20	0.125	193.00	38.60	0.39	15.05	
			2	10.00	4.60	4.60		12.00	55.20	0.89	48.96	
			2	8.00	4.60	0.15	0.125	75.00	11.25	0.39	4.39	
			2	10.00	4.20	4.20		12.00	50.40	0.89	44.70	
			2	8.00	4.20	0.15	0.125	68.00	10.20	0.39	3.98	
			2	10.00	5.00	5.00		12.00	60.00	0.89	53.22	
			2	8.00	5.00	0.15	0.125	81.00	12.15	0.39	4.74	
			2	10.00	2.15	2.15		12.00	25.80	0.89	22.88	
			2	8.00	2.15	0.15	0.125	35.00	5.25	0.39	2.05	
Roof Beam			1	16.00	13.80	13.80		6.00	82.80	1.58	130.82	
			1	12.00	13.80	0.30	0.100	139.00	41.70	0.89	37.11	

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn.)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub. Division

ıainage		Unit	No	Dia in mm	Span	Length of bar	Spacing (m)	Total No.of bars ((6/8)x4) +1	Total Length of bar (m) (7 x 9)	Weight per m	Qty in Kgs (10 x 11)	Remarks
ı	To											
			1	16.00	12.00	12.00		6.00	72.00	1.58	113.76	
			1	12.00	12.00	0.30	0.100	121.00	36.30	0.89	32.31	
Roof Beam			3	16.00	4.60	4.60		18.00	82.80	1.58	130.82	
			3	12.00	4.60	0.30	0.100	139.00	41.70	0.89	37.11	
Roof Slab			2	12.00	13.90	4.60	0.100	279.00	1283.40	0.89	1142.23	
			2	10.00	13.90	4.60	0.100	279.00	1283.40	0.62	795.71	
			-1	12.00	2.90	1.40	0.100	-28.00	-39.20	0.89	-34.89	
Sump Roof Slab			1	12.00	2.30	2.30	0.100	24.00	55.20	0.89	49.13	
			1	10.00	2.30	2.30	0.100	24.00	55.20	0.62	34.22	
Chejja			4	10.00	1.60	0.30	0.100	65.00	19.50	0.62	12.09	
			4	8.00	0.30	1.60	0.125	11.00	17.60	0.39	6.86	
			1	10.00	1.10	0.30	0.100	12.00	3.60	0.62	2.23	
			1	8.00	0.30	1.10	0.125	3.00	3.30	0.39	1.29	
			1	10.00	1.30	0.30	0.100	14.00	4.20	0.62	2.60	
			1	8.00	0.30	1.30	0.125	3.00	3.90	0.39	1.52	
			1	10.00	2.95	0.30	0.100	31.00	9.30	0.62	5.77	
			1	8.00	0.30	2.95	0.125	3.00	8.85	0.39	3.45	

Asst. Executive Engineer
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Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub Division

ainage		Unit	No	Dia in mm	Span	Length of bar	Spacing (m)	Total No.of bars ((6/8)x4) +1	Total Length of bar (m) (7 x 9)	Weight per m	Qty in Kgs (10 x 11)	Remarks
	To											
ir Case Waist Slab			2	12.00	2.80	0.90	0.125	46.00	41.40	0.89	36.85	
			2	10.00	0.90	2.80	0.100	19.00	53.20	0.62	32.98	
Waist Slab			2	12.00	2.00	0.90	0.125	33.00	29.70	0.89	26.43	
			2	10.00	0.90	2.00	0.100	19.00	38.00	0.62	23.56	
Landing			1	12.00	1.40	0.75	0.125	12.00	9.00	0.89	8.01	
			1	10.00	0.75	1.40	0.100	9.00	12.60	0.62	7.81	
Landing			1	12.00	1.40	0.90	0.125	12.00	10.80	0.89	9.61	
			1	10.00	0.90	1.40	0.100	10.00	14.00	0.62	8.68	
Steps			2	12.00	0.75	0.08	0.125	13.00	0.98	0.89	0.87	
			2	10.00	0.08	0.75	0.100	3.00	2.25	0.62	1.40	
Steps			9	12.00	0.90	0.08	0.125	66.00	4.95	0.89	4.41	
			9	10.00	0.08	0.90	0.100	8.00	7.20	0.62	4.46	
Steps			5	12.00	1.40	0.08	0.125	57.00	4.28	0.89	3.80	
			5	10.00	0.08	1.40	0.100	5.00	7.00	0.62	4.34	
										Total Quantity	4252.73	
										Total Quantity	4.253	Tonne
										Quanity Limit to	4.237	Tonne

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk Zn)
Bangalore

Asst. Executive Engineer
Yelahanka Sub. Divisor

BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	23							

Item Name: Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conformingto IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 ncluding cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications(PWD SR 2021-22 Vol-2 Pg 17 item No.6.32)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			05-04-2023				
Solid Blocks for Ground Floor							
	Long Wall Direction	2	12.00		3.00	72.00	
	Short Wall Direction	2	4.60		3.00	27.60	
	Stair Case Wall	1	4.30		3.85	16.56	
Deduction							
	D1	-2	0.95		2.10	-3.99	
	W	-4	1.50		1.20	-7.20	
		-1	0.75		1.20	-0.90	
		-1	1.00		0.95	-0.95	
		-1	1.20		0.90	-1.08	
	V	-1	0.55		0.40	-0.22	
	Lintel	-2	12.00		0.20	-4.80	
	Lintel	-3	4.20		0.20	-2.52	
					Total Quantity	94.50	Sqm
					Quantity Carried to Summary	92.31	Sqm

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka, Division

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asstistant Engineer
Ward No.01
BBMP-Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP-Bangalore

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Yelahanka Sub. Divisor
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Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	24							
Item Name:	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications(PWD SR 2021-22 Vol-2 Pg 17 item No.6.34)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			05.04.2023				
Solid Blocks for Partition Wall							
	Long Wall Direction	1	4.20		3.25	13.65	
	Short Wall Direction	2	4.20		3.25	27.30	
	Kitchen Slab Platform	3	0.20		0.90	0.54	
	Outside Toilet	1	1.35		2.00	2.70	
		1	1.20		2.00	2.40	
Deduction							
	D1	-2	0.90		2.10	-3.78	
	D2	-3	0.75		2.10	-4.73	
				Total Quantity		38.09	Sqm
				Quantity Carried to Summary		38.02	Sqm

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Division

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Yelahanka, Bangalore

Asstistant Engineer
Ward No.01
BBMP-Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP-Bangalore

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	25							
Item Name:	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (PWD SR 2021-22 Vol-2 Pg 17 item No.6.33)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			28.04.2023				
Solid Blocks for Parapit Wall							
	Long Wall Direction	1	13.80		1.20	16.56	
		1	12.00		1.20	14.40	
	Short Wall Direction	1	4.60		1.20	5.52	
		1	2.00		1.20	2.40	
		1	2.60		1.20	3.12	
	Outside Compound Wall	1	2.45		1.30	3.19	
		1	1.10		1.30	1.43	
		1	1.70		1.30	2.21	
					Total Quantity	48.83	Sqm
					Quantity Carried to Sunonary	47.04	Sqm

Asstistant Engineer
Ward No.01
BBMP-Bangalore

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

Asst. Executive Engineer
Yelahanka Sub Division
BBMP-Bangalore

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	26							
Item Name:	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.(PWD SR 2021-22 Vol-2 Pg 41 item No.8.3.1)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			03-05-2023				
20 mm External Plaster							
	Long Wall Direction	2	12.00		3.60	86.40	
	Short Wall Direction	2	4.60		3.60	33.12	
Chejja							
		4	1.60	0.30		1.92	
		1	1.10	0.30		0.33	
		1	1.30	0.30		0.39	
		1	0.75	0.30		0.23	
Stair Case							
	Waist Slab	1	2.70	0.90		2.43	
		1	2.00	0.90		1.80	
	Landing	1	1.40	0.75		1.05	
		1	1.40	0.90		1.26	
		Triangular shape					
	Steps	2	0.75		0.023	0.03	
		9	0.90		0.023	0.19	
		5	1.40		0.023	0.16	
	Outside Compound Wall	1	2.45		1.30	3.19	
		1	1.10		1.30	1.43	
		1	1.70		1.30	2.21	
	Parapit wall						
	Long Wall Direction	2	13.80		1.20	33.12	
		2	12.00		1.20	28.80	
	Short Wall Direction	2	4.60		1.20	11.04	
		2	2.00		1.20	4.80	
		2	2.60		1.20	6.24	
	Parapit wall Top						
	Long Wall Direction	2	13.80		0.15	4.14	
		2	12.00		0.15	3.60	
	Short Wall Direction	2	4.60		0.15	1.38	
		2	2.00		0.15	0.60	

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore.

Asst. Executive Engineer

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
		2	2.60		0.15	0.78	
	Stair Case Wall	2	4.30		3.85	33.11	
Deduction							
	D1	-2	0.95		2.10	-3.99	
	W	-4	1.50		1.20	-7.20	
		-1	0.75		1.20	-0.90	
		-1	1.00		0.95	-0.95	
		-1	1.20		0.90	-1.08	
	V	-1	0.55		0.40	-0.22	
					Total Quantity	249.40	Sqm
					Quantity Carried to Summary	245.13	Sqm

Asst. Executive Engineer
Yelahanka Sub. Division
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Asstistant Engineer
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Asst. Executive Engineer
Yelahanka Sub Division
BBMP-Bangalore

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No. 27

Item Name: Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement : 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-incharge.(PWD SR 2021-22 Vol-2 Pg 42 item No.8.49)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			08.05.2023				
18mm Inside Plaster							
	Long Wall Direction	2	12.00		3.45	82.80	
	Short Wall Direction	5	4.60		3.45	79.35	
	Short Wall Direction	2	2.95		3.45	20.36	
	Kitchen Slab Platform	6	0.20		0.90	1.08	
	Sump Inside	4	2.30		2.30	21.16	
	Outside Toilet	2	1.35		2.00	5.40	
		2	1.20		2.00	4.80	
Deduction							
	D1	-2	0.90		2.10	-3.78	
	D2	-3	0.75		2.10	-4.73	
	D1	-2	0.95		2.10	-3.99	
	W	-4	1.50		1.20	-7.20	
		-1	0.75		1.20	-0.90	
		-1	1.00		0.95	-0.95	
		-1	1.20		0.90	-1.08	
	V	-1	0.55		0.40	-0.22	
					Total Quantity	192.10	Sqm
					Quantity Carried to Summary	185.97	Sqm

Asstistant Engineer
Ward No.01
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Asst Executive Engineer
Yelahanka Sub Division
BBMP-Bangalore

Asst. Executive Engineer
Yelahanka Sub. Division
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Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	28							
Item Name:	Providing 12 mm cement plaster finished with a floating coat of neat cement of mix :1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.(PWD SR 2021-22 Vol-2 Pg 41 item No.8.4.2)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			02.05.2023.				
12mm Ceiling Plaster							
	Hall	1	6.80	4.20		28.56	
	Kitchen	1	2.90	3.65		10.59	
	Store Room	1	2.95	2.00		5.90	
	Inside Bathroom	1	1.50	1.00		1.50	
	Outside Bathroom	1	1.35	1.20		1.62	
	Passage	1	3.65	1.05		3.83	
					Total Quantity	52.00	Sqm
					Quantity Carried to Summary	48.54	Sqm

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BBMP-Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	29							
Item Name:	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(PWD SR 2021-22 Vol-2 Pg 50 item No.8.51)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			20-05-2023				
white cement based putty							
For Internal Plaster Portion		1	Qty Vide Item No 27			185.97	
For Ceiling Plaster Portion		1	Qty Vide Item No 28			48.54	
Total Quantity						234.51	Sqm
Quantity Carried to Summary						234.51	Sqm

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Yelahanka, Bangalore

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	30							
Item Name:	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge(PWD SR 2021-22 Vol-2 Pg 48 item No.8.40)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			25.05.2023				
Inside Painting							
For Internal Plaster Portion		1	Qty Vide Item No 27			185.97	
For Ceiling Plaster Portion		1	Qty Vide Item No 28			48.54	
Total Quantity						234.51	Sqm
Quantity Carried to Summary						234.51	Sqm

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Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	31							
Item Name:	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (PWD							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			25.05.2023				
External Painting							
For External Plaster Portion		1	Qty Vide Item No 26			245.13	
Total Quantity						245.13	Sqm
Quantity Carried to Summary						245.13	Sqm

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	32							
Item Name:	Providing and laying Cement concrete flooring 40 mm thick with 20 mm nominal size stone aggregate using 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry complete(PWD SR 2021-22 Vol-2 Pg 59 item No.9.1)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			11.05.2023				
flooring 40 mm thick							
	Hall	1	6.80	4.20		28.56	
	Kitchen	1	2.90	3.65		10.59	
	Store Room	1	3.00	2.00		6.00	
	Inside Bathroom	1	1.50	1.00		1.50	
	Inside Passage	1	3.70	1.05		3.89	
	Outside Bathroom	1	1.40	1.20		1.68	
	Outside Passage	1	4.85	4.20		20.37	
	Sump Cover	-1	0.60	0.45		-0.27	
					Total Quantity	72.31	Sqm
					Quantity Carried to Summary	72.31	Sqm

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Yelahanka, Bangalore

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	33							
Item Name:	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately)Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregate(PWD SR 2021-22 Vol-1 Pg 17 item No.2.4.1)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			11.05.2023				
flooring Concrete							
	Hall	1	6.80	4.20	0.10	2.86	
	Kitchen	2	2.90	3.65	0.10	2.12	
	Store Room	3	3.00	2.00	0.10	1.80	
	Inside Bathroom	2	1.50	1.00	0.10	0.30	
	Inside Passage	3	3.70	1.05	0.10	1.17	
	Outside Bathroom	2	1.40	1.20	0.10	0.34	
	Outside Passage	2	4.85	4.20	0.10	4.07	
	Sump Cover	-1	0.60	0.45	0.10	-0.03	
					Total Quantity	12.62	Cum
					Quantity Carried to Summary	11.44	Cum

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	34							
Item Name:	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent(PWD SR 2021-22 Vol-2 Pg 63item No.9.24)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			13-05-2023				
flooring Polished Granite stone slab							
	Hall	1	6.80	4.20		28.56	
	Kitchen	1	2.90	3.65		10.59	
	Store Room	1	3.00	2.00		6.00	
	Inside Passage	1	3.70	1.05		3.89	
Stair Case							
	Landing	1	1.40	0.75		1.05	
		1	1.40	0.90		1.26	
		Triangular shape					
	Riser						
	Steps	2	0.75	0.15		0.23	
		9	0.90	0.15		1.22	
		5	1.40	0.15		1.05	
	Treads						
	Steps	2	0.75	0.20		0.30	
		9	0.90	0.20		1.62	
		6	1.40	0.20		1.68	
	Kitchen Shelf	1	2.90	0.35		1.31	
		1	1.50	0.30		0.45	
Skirtings							
	Hall	2	6.80		0.10	1.36	
		2	4.20		0.10	0.84	
	Kitchen	2	2.90		0.10	0.58	
		2	3.65		0.10	0.73	
	Store Room	2	3.00		0.10	0.60	
		2	2.00		0.10	0.40	

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Yelahanka Division

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	Inside Passage	2	3.70		0.10	0.74	
		2	1.05		0.10	0.21	
	Deductions						
	D	-2	0.90		0.10	-0.18	
	D2	-2	0.75		0.10	-0.15	
	D1	-2	0.95		0.10	-0.19	
					Total Quantity	64.13	Sqm
					Quantity Carried to Summary	63.88	Sqm

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	35							
Item Name:	ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 g per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement, all complete as per direction of Engineer-in-charge(PWD SR 2021-22 Vol-2 Pg 61item No.9.15)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			13.05.2023				
ceramic tiles							
	Inside Bathroom	1	1.50	1.00		1.50	
	Outside Bathroom	1	1.40	1.20		1.68	
Total Quantity						3.18	Sqm
Quantity Carried to Summary						2.16	Sqm

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	36							
Item Name:	Providing Mathi/Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.(PWD SR 2021-22 Vol-2 Pg 100item No.12.12)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			05-06-2023				
Wood frames for doors							
	D	1	6.10	0.15	0.125	0.11	
	D1	2	5.90	0.15	0.125	0.22	
	D2	2	4.95	0.15	0.125	0.19	
					Total Quantity	0.52	Cum
					Quantity Carried to Summary	0.50	Cum

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	37							

Item Name: Providing and fixing in position fully panelled Matti/Nandi wood shutters for doors with, stiles and rails of 35mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures)(PWD SR 2021-22 Vol-2 Pg 100item No.12.18)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			05-06-2023				
wood shutters for doors							
	D	1	0.95		2.40	2.28	
	D1	2	0.90		2.10	3.78	
	D2	2	0.75		2.10	3.15	
					Total Quantity	9.21	Sqm
					Quantity Carried to Summary	9.21	Sqm

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No. 38

Item Name: Providing and fixing M.S. grills of required pattern in frames of win dows etc. with M.S. flats, square or round bars etc.including priming coat with approved steel primer all complete. Fixed to openings /wooden frames with rawl plugs screws etc(PWD SR 2021-22 Vol-2 Pg 85 item No.11.34 B)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			26.04.2023				
M.S. grills for Windows							
	W	4	1.60		1.20	7.68	
		1	0.80		1.20	0.96	
		1	1.00		0.95	0.95	
		1	1.20		0.90	1.08	
	V	2	0.60		0.40	0.48	
						11.15	
		24 Kg Per Sqm				267.6	
Total Quantity						267.60	Kgs
Quantity Carried to Summary						267.60	Kgs

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(40)

BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	39							
Item Name:	Providing & fixing of 2-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having a overall size of 60mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm X 58mm with GI reinforcement of 1mm for the frame and 1.5 mm for the sash. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24mm. Windows shall be provided with 5mm plain float glass, standard hardware& single point locking system with touch lock. Wall thickness of frame & sash shall be of 2-2.5 mm. Maximum possible size – 1819mm x 1819mm (The cost is inclusive of all fixtures and separatecharges for minor T&P's shall not be made)(PWD SR 2021-22 Vol-2 Pg 111 item No.12.88)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			09.05.2023				
Panel for Windows							
	W	4	1.60		1.20	7.68	
		1	0.80		1.20	0.96	
		1	1.00		0.95	0.95	
		1	1.20		0.90	1.08	
					Total Quantity	10.67	Sqm
					Quantity Carried to Summary	10.67	Sqm

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	41							
Item Name:	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge(PWD SR 2021-22 Vol-2 Pg 47 item No.8.33.3)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			09.05.2023				
For Windows and ventilators Grils							
		W	Windows Qty			10.67	
		V	Ventilators Qty			0.48	
					Total Quantity	11.15	Sqm
					Quantity Carried to Summary	11.15	Sqm

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No. 42

Item Name: Fabricating .Providing and erecting in position Hot dip galvanised Gate.Using 72X72X4.8MM Sq.GI pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile , 20mm hot dip galvinsed sq.road for verticles at 150mm C/C,as shown in the drawing including providing hot dip galvanised forged Ornamental design in btn Sq.road and heads at top, middle,and bottom.Intermediate supports 75x12mm and 50x6 mm arch bend to hot dip galavised Flats .The work is inclusiveof thoughing GI flat GI sq.rods placing welding aal joints including griding,finishing metal putty painting two coats enamel painting .the rate is inclusive of all materials like GI sq.pipe, GI sq.rods,GI Forged designsetc... heavy duty hinges are made out of 75MM Solid Sq,block assembled with 20mm dia bearing in three places for each flop heavy duty locking arrangements at tow places including cost of labour, painting,erecting charges using hoist pulley cranes with all lead lift charges loading transportation unloading Scaffolding charges for succesfull completion of the work as per directions of the Engineer in charge(Data Rate)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			07.06.2023				
MS Gate							
Enterance Gate		1	1.20		1.50	1.80	
Total Quantity						1.80	Sqm
Quantity Carried to Summary						1.80	Sqm

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

ne of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

m No.	43							
Item Name:	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kgper m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.(PWD SR 2021-22 Vol-2 Pg 133 item No.15.1)							
SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Measurement Recorded On: 22.05.2023								
	Terrace Water Proofing							
errace		1	12.00	4.30		51.60		
					Total Quantity	51.60	Sqm	
					Quantity Carried to Summary	50.31	Sqm	

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BBMP-Bangalore

Asst. Executive Engineer
Yelahanka Sub Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalor

BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	44							
Item Name:	Providing and placing on terrace ,Polythene water storage tanks as per IS12701 Marked with cover and suitable locking arrangement and make necessary holes for inlet,outlet and overflow pipes but without fittings and the base supports for tank (For 1000 litres capacity)(PWD SR 2021-22 Vol-2 Corrigenda Sl.No.12 item No.13.34)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			09-06-2023				
Polythene water storage tanks							
Sintex Tank		1	1000.00			1000.00	
Total Quantity						1000.00	Ltr
Quantity Carried to Summary						1000.00	Ltr

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BRUHAT BANGALORE MAHANAGARA PALIKE								
EXECUTIVE ENGINEER: YELAHANKA DIVISION								
Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"								
Measurement Sheet								
1st & Final Bill								
Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)								
Item No.	45							
Item Name:	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:14.1.1 White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests(PWD SR 2021-22 Vol-123 Pg 111 item No.14.1.1)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			02-05-2023				
water closet squatting pan							
Indian type W.C. pan		1	2.00			2.00	
Total Quantity						2.00	Each
Quantity Carried to Summary						2.00	Each

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Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	46							
Item Name:	PTMT grating 100 mm dia(PWD SR 2021-22 Vol-2 Pg A-26 item No.470)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			02.06.2023				
PTMT grating 100 mm dia							
Grating		1	4.00			4.00	
Total Quantity						4.00	Each
Quantity Carried to Summary						4.00	Each

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	47								
Item Name:	White Vitreous china flat back wash basin 550x400 mm(PWD SR 2021-22 Vol-2 Pg A-32 item No.674)								
SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Measurement Recorded On:				08-06-2023					
flat back wash basin									
wash basin			1	2.00			2.00		
Total Quantity							2.00	Each	
Quantity Carried to Summary							2.00	Each	

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	48							
Item Name:	Providing and fixing brass bib cock of approved quality :20 mm nominal bore(PWD SR 2021-22 Vol-2 Pg115 item No.13.3.2)							
SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Measurement Recorded On:			08-06-2023					
20mm dia brass bib cock								
bib cock		1	4.00			4.00		
Total Quantity						4.00	No,s	
Quantity Carried to Summary						4.00	No,s	

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	49							
Item Name:	Providing and fixing brass stop cock of approved quality :20 mm nominal bore(PWD SR 2021-22 Vol-2 Pg115 item No.13.2.2)							
SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Measurement Recorded On:			08-06-2023					
20mm dia brass stop cock								
Stop Cock		1	2.00			2.00		
Total Quantity						2.00	No,s	
Quantity Carried to Summary						2.00	No,s	

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	50							
Item Name:	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :20 mm nominal bore(PWD SR 2021-22 Vol-2 Pg115 item No.13.5.2)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			08-06-2023				
20mm dia Ball Valve (Brass)							
Valve		1	2.00			2.00	
					Total Quantity	2.00	No,s
					Quantity Carried to Summary	2.00	No,s

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No.	51							
Item Name:	Providing and fixing chorinated poly vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and making good walls)20mm nominal dia pipes (PWD SR 2021-22 Vol,2 Sl.no.27.Item							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			25.04.2023				
20mm Nominal Dia CPVC Pipes							
CPVC Pipes		1	23.00			23.00	
Total Quantity						23.00	Mtr
Quantity Carried to Summary						23.00	Mtr

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BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER: YELAHANKA DIVISION

Name of Work: "Construction of Anganwadi Building at Srinivaspura in Kempegowda ward no-01 of Yelahanka Sub Divison"

Measurement Sheet

1st & Final Bill

Name of Agency: Smt. Likith V (Shree Byraveshwara Constructions)

Item No. 52

Item Name: Providing and fixing on wall face unplasticised rigid PVC rain water pipes confirming toIS:13592 Type A Including jointing with seal ring confirming IS:5382 leaving 10mm gap for thermal expansions (i) single socketed pipes 100mm diameter (PWD SR 2021-22 Vol-2 Corrigenda Sl.No.27 item No.13.48)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			25.04.2022				
PVC Rain water pipes							
PVC Pipes		1	12.00			12.00	
Total Quantity						12.00	Mtr
Quantity Carried to Summary						12.00	Mtr

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